

Title (en)
DIRECT CURRENT INTERRUPTION DEVICE

Title (de)
GLEICHSTROMUNTERBRECHUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COUPURE DE COURANT CONTINU

Publication
EP 3672005 A4 20210331 (EN)

Application
EP 17921970 A 20170815

Priority
JP 2017029380 W 20170815

Abstract (en)
[origin: EP3672005A1] A DC current breaking device of an embodiment is provided in a DC power transmission circuit in which at least a first DC power transmission line and a second DC power transmission line are electrically connected to each other at a first connection point. A first auxiliary line is electrically connected to a first position of the first DC power transmission line. The second auxiliary line is electrically connected to a second position of the second DC power transmission line. A first unit is provided in a common auxiliary line that is electrically connected between a second connection point to which the first auxiliary line and the second auxiliary line are electrically connected, and the first connection point. A second unit is provided in each of a first line that is the first DC power transmission line or the first auxiliary line, and a second line that is the second DC power transmission line or the second auxiliary line. One of the first unit and the second unit is a semiconductor circuit breaker, and the other of the first unit and the second unit is a commutation device that commutates a current to the semiconductor circuit breaker.

IPC 8 full level
H01H 33/59 (2006.01); **H02H 3/00** (2006.01); **H02H 3/087** (2006.01); **H02J 1/08** (2006.01); **H02J 13/00** (2006.01)

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Citation (search report)

- [XA] WO 2016096016 A1 20160623 - SIEMENS AG [DE]
- See references of WO 2019035180A1

Cited by
US2022149617A1; US11876367B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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